

Aircraft Manufacturer Lockheed

Aircraft Engine Manufacturer Allison (T56-A-15)

No. of Engines 4 Engine Rating 4910 ESHP

Min. T/O Wt. 80.0 k-lb * Min. T/O Dist. @ Min. T/O Wt. 750 ft

* Min. T/O Dist. @ Min. T/O Wt. With Abort Dist. 1,900 ft

Max. T/O Wt. Peace-Time 155.0 k-lb Max. T/O Wt. War-Time 175.0 k-lb

* Min. T/O Dist. @ Max. T/O Wt. War-Time 4,100 ft

* Min. T/O Dist. @ Max. T/O Wt. War-Time With Abort Dist. 5,500 ft

Min. Ldg. Wt. 100.0 k-lb Max. Ldg. Wt. 175.0 k-lb

* Min. Ldg. Dist. @ Min. Ldg. Wt. 1,350 ft

* Min. Ldg. Dist. @ Max. Ldg. Wt. 2,400 ft

* These distances are at 59°F, at sea level, with zero runway gradient, and on a clean dry runway surface.

ACN

Weight	Rigid Pavement Subgrades				Flexible Pavement Subgrades			
			Ultra				Very	
	High A	Medium B	Low C	Low D	High A	Medium B	Low C	Low D
100	16	17	19	21	13	14	19	22
155	29	32	35	37	25	29	32	37
175	34	37	41	43	30	34	37	43

Figure A-122. AC-130H/U, Spectre

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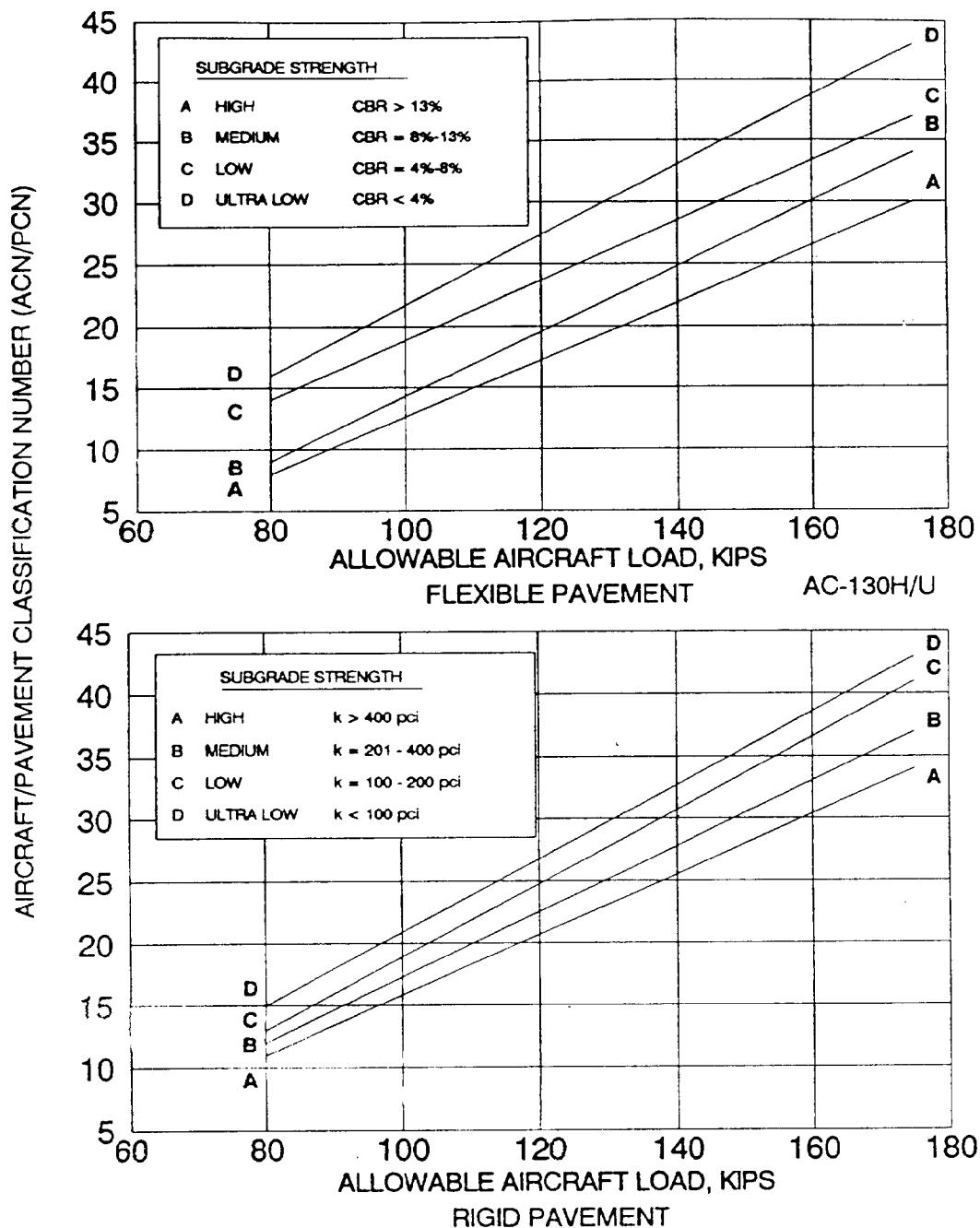


Figure A-123. AC-130H/U, ACN/PCN Curves

Aircraft Manufacturer McDonnell Douglas

Aircraft Engine Manufacturer General Electric (J79-GE-15)

No. of Engines 2 Engine Rating 17,000 lb

Min. T/O Wt. 35.2 k-lb * Min. T/O Dist. @ Min. T/O Wt. 1,300 ft

* Min. T/O Dist. @ Min. T/O Wt. With Abort Dist. †

Max. T/O Wt. Peace-Time 51.7 k-lb Max. T/O Wt. War-Time 58.0 k-lb

* Min. T/O Dist. @ Max. T/O Wt. War-Time 4,000 ft

* Min. T/O Dist. @ Max. T/O Wt. War-Time With Abort Dist. †

Min. Ldg. Wt. 33.9 k-lb Max. Ldg. Wt. 46.0 k-lb

* Min. Ldg. Dist. @ Min. Ldg. Wt. 2,450 ft

* Min. Ldg. Dist. @ Max. Ldg. Wt. †

* These distances are at 59°F, at sea level, with zero runway gradient, and on a clean dry runway surface.

ACN

Weight	Rigid Pavement Subgrades				Flexible Pavement Subgrades			
	High		Medium	Low	High		Medium	Low
	A	B	C	D	A	B	C	D
34	12	13	13	13	14	14	14	14
46	19	20	19	19	21	20	20	19
52	23	23	22	22	24	23	23	22
58	26	26	25	25	27	26	26	25

Figure A-124. F-4C, Phantom II

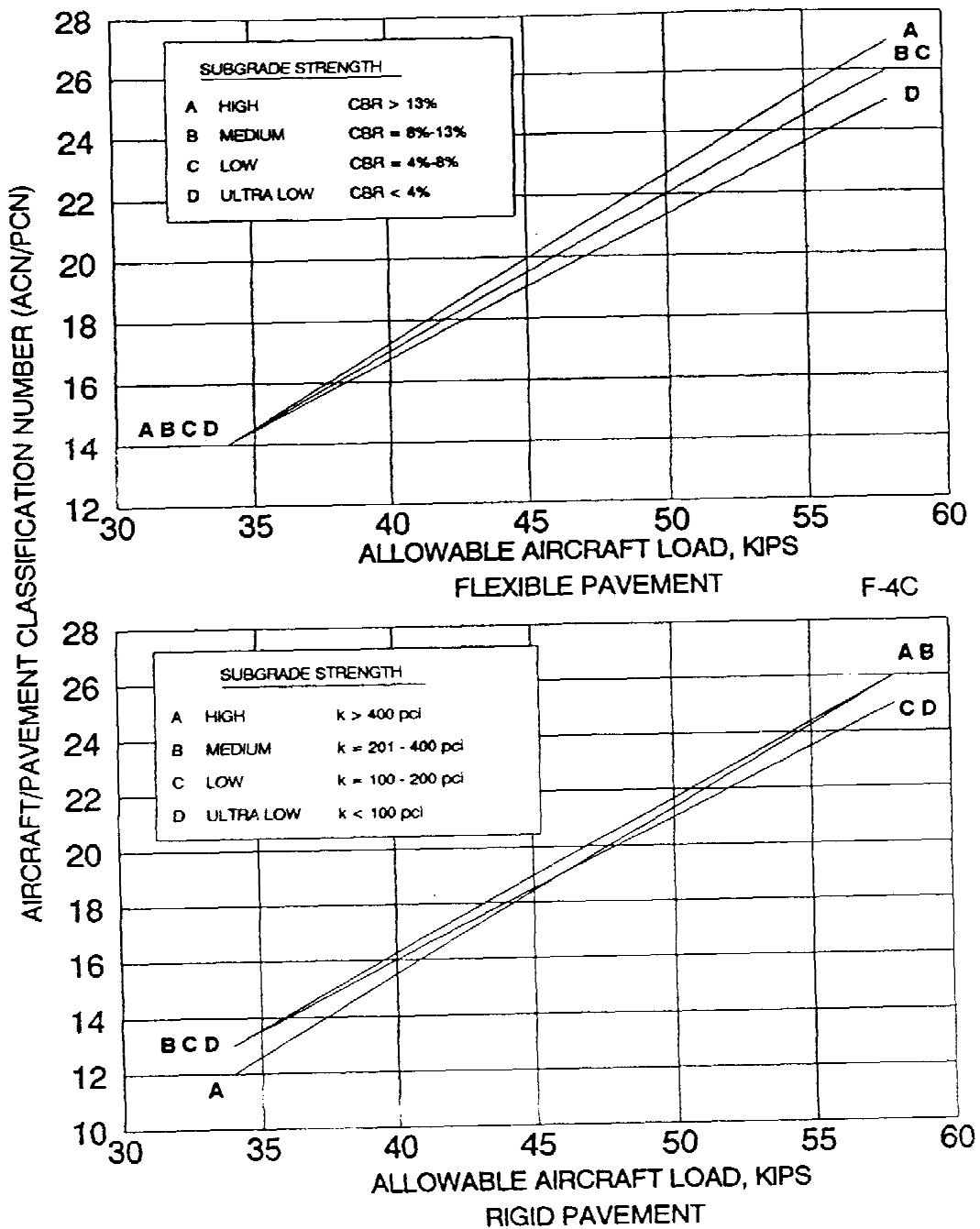


Figure A-125. F-4C, ACN/PCN Curves

Aircraft Manufacturer McDonnell Douglas

Aircraft Engine Manufacturer General Electric (J79-GE-15)

No. of Engines 2 Engine Rating 17,000 lb

Min. T/O Wt. 35.4 k-lb * Min. T/O Dist. @ Min. T/O Wt. 1,300 ft

* Min. T/O Dist. @ Min. T/O Wt. With Abort Dist. †

Max. T/O Wt. Peace-Time 51.5 k-lb Max. T/O Wt. War-Time 58.0 k-lb

* Min. T/O Dist. @ Max. T/O Wt. War-Time 4,000 ft

* Min. T/O Dist. @ Max. T/O Wt. War-Time With Abort Dist. †

Min. Ldg. Wt. 34.2 k-lb Max. Ldg. Wt. 46.0 k-lb

* Min. Ldg. Dist. @ Min. Ldg. Wt. 2,460 ft

* Min. Ldg. Dist. @ Max. Ldg. Wt. †

* These distances are at 59°F, at sea level, with zero runway gradient, and on a clean dry runway surface.

ACN

Weight	Rigid Pavement Subgrades				Flexible Pavement Subgrades			
	Ultra				Very			
	High A	Medium B	Low C	Low D	High A	Medium B	Low C	Low D
34	12	13	13	13	14	14	14	14
46	19	20	19	19	21	20	20	19
52	23	23	22	22	24	23	23	22
58	26	26	25	25	27	26	26	25

Figure A-126. F-4D, Phantom II

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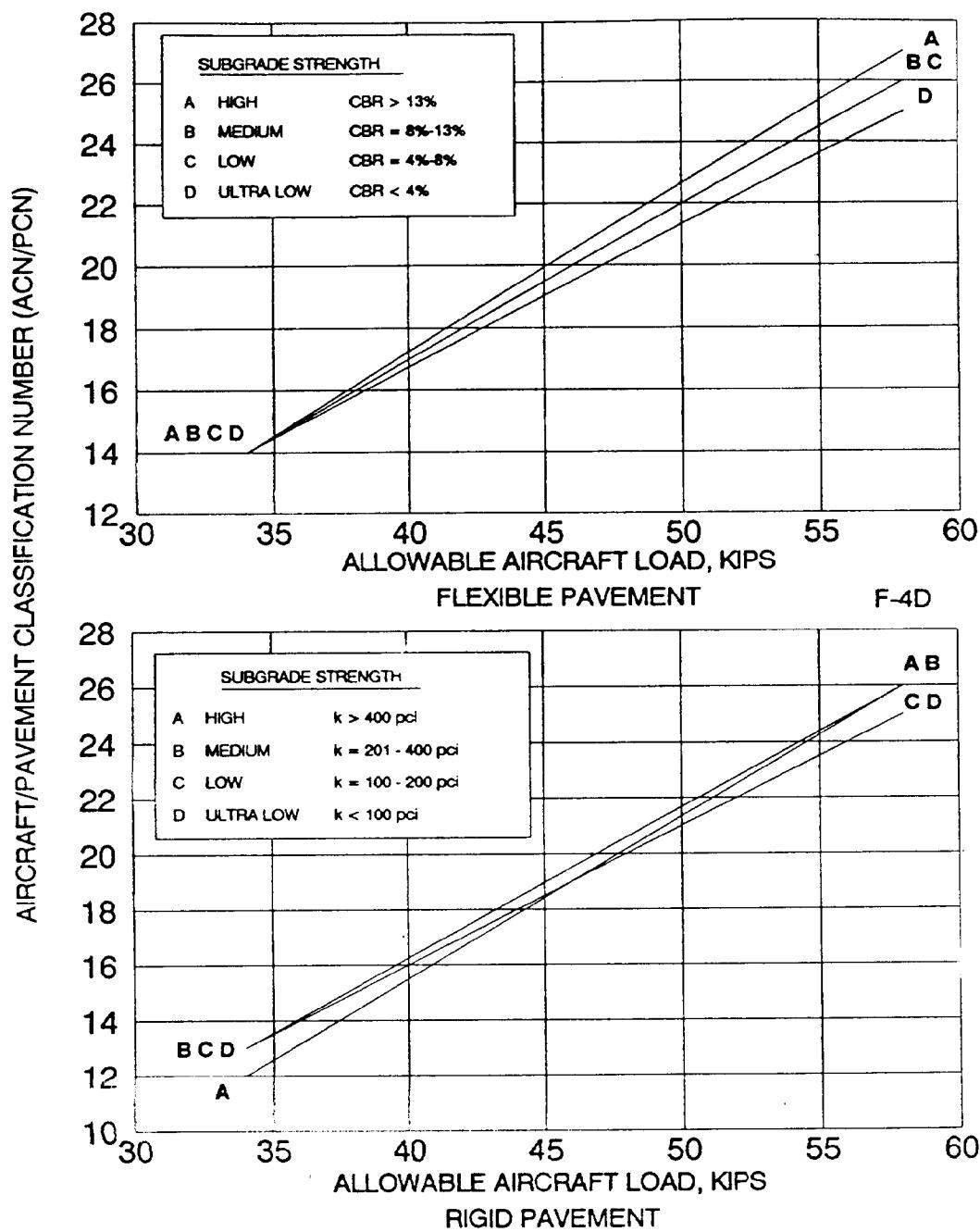


Figure A-127. F-4D, ACN/PCN Curves

Aircraft Manufacturer McDonnell Douglas

Aircraft Engine Manufacturer General Electric (J79-GE-17)

No. of Engines 2 Engine Rating 17,900 lb

Min. T/O Wt. 38.2 k-lb * Min. T/O Dist. @ Min. T/O Wt. 1,400 ft

* Min. T/O Dist. @ Min. T/O Wt. With Abort Dist. †

Max. T/O Wt. Peace-Time 53.8 k-lb Max. T/O Wt. War-Time 58.0 k-lb

* Min. T/O Dist. @ Max. T/O Wt. War-Time 3,800 ft

* Min. T/O Dist. @ Max. T/O Wt. War-Time With Abort Dist. †

Min. Ldg. Wt. 36.8 k-lb Max. Ldg. Wt. 46.0 k-lb

* Min. Ldg. Dist. @ Min. Ldg. Wt. 3,040 ft

* Min. Ldg. Dist. @ Max. Ldg. Wt. †

* These distances are at 59°F, at sea level, with zero runway gradient, and on a clean dry runway surface.

ACN

Weight	Rigid Pavement Subgrades				Flexible Pavement Subgrades			
	Ultra				Very			
	High A	Medium B	Low C	Low D	High A	Medium B	Low C	Low D
37	14	15	15	15	16	16	16	15
46	19	20	19	19	21	20	20	19
54	24	24	23	23	25	24	24	23
58	26	26	25	25	27	26	26	25

Figure A-128. F-4E, Phantom II

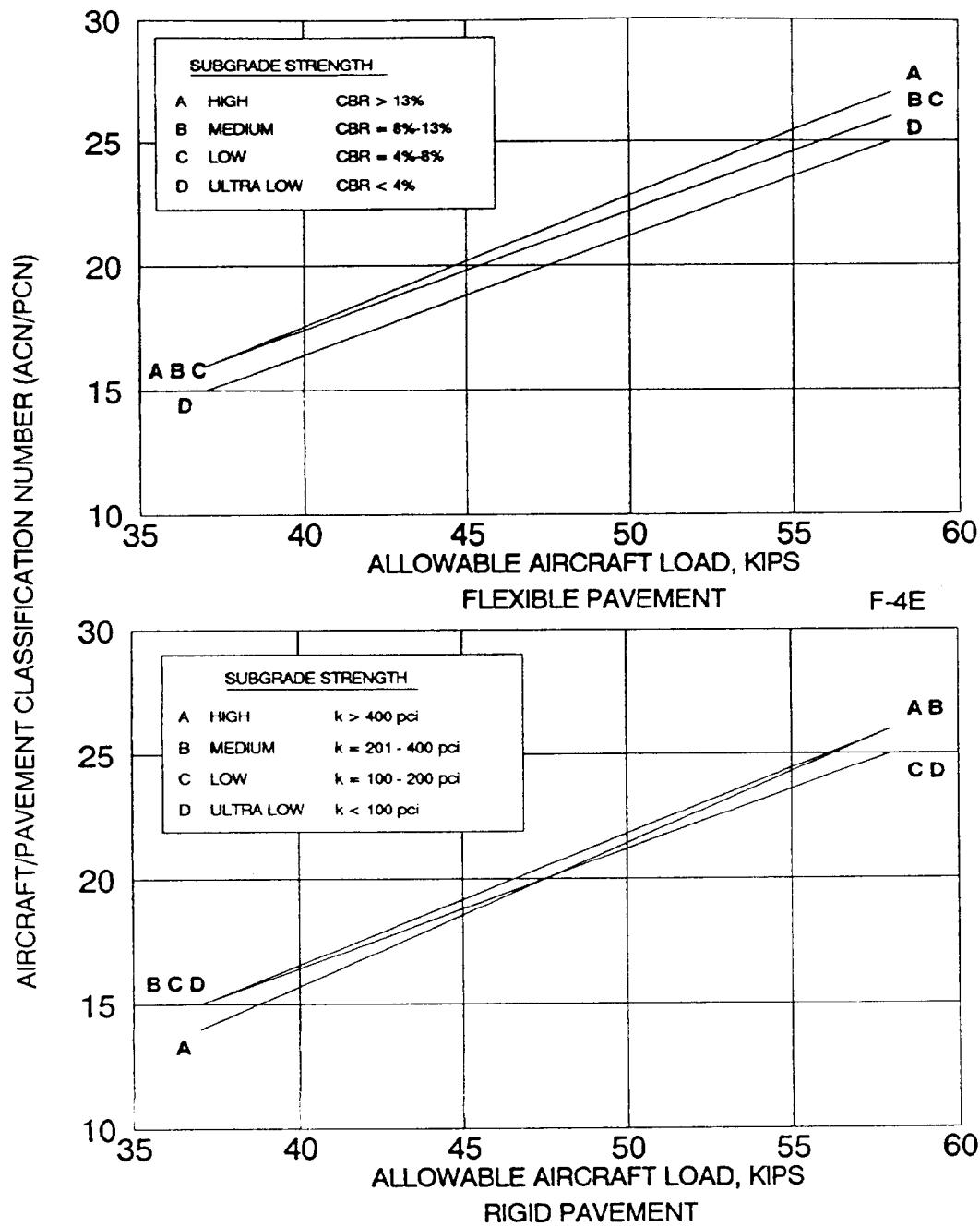


Figure A-129. F-4E, ACN/PCN Curves

Aircraft Manufacturer Northrop

Aircraft Engine Manufacturer General Electric (J85-21)

No. of Engines 2 Engine Rating 4,650 lb

Min. T/O Wt. 14.0 k-lb * Min. T/O Dist. @ Min. T/O Wt. 1,500 ft

* Min. T/O Dist. @ Min. T/O Wt. With Abort Dist. 3,000 ft

Max. T/O Wt. Peace-Time 26.0 k-lb Max. T/O Wt. War-Time 26.0 k-lb

* Min. T/O Dist. @ Max. T/O Wt. War-Time 6,000 ft

* Min. T/O Dist. @ Max. T/O Wt. War-Time With Abort Dist. 12,000 ft

Min. Ldg. Wt. 10.0 k-lb Max. Ldg. Wt. 24.0 k-lb

* Min. Ldg. Dist. @ Min. Ldg. Wt. 2,200 ft

* Min. Ldg. Dist. @ Max. Ldg. Wt. 4,800 ft

* These distances are at 59°F, at sea level, with zero runway gradient, and on a clean dry runway surface.

ACN

Weight	Rigid Pavement Subgrades				Flexible Pavement Subgrades			
	High A	Medium B	Low C	Ultra Low D	High A	Medium B	Low C	Very Low D
10	3	3	3	3	3	3	4	4
24	10	10	10	10	10	10	10	10
26	12	12	12	12	12	10	10	10

Figure A-130. F-5E/F, Tiger II

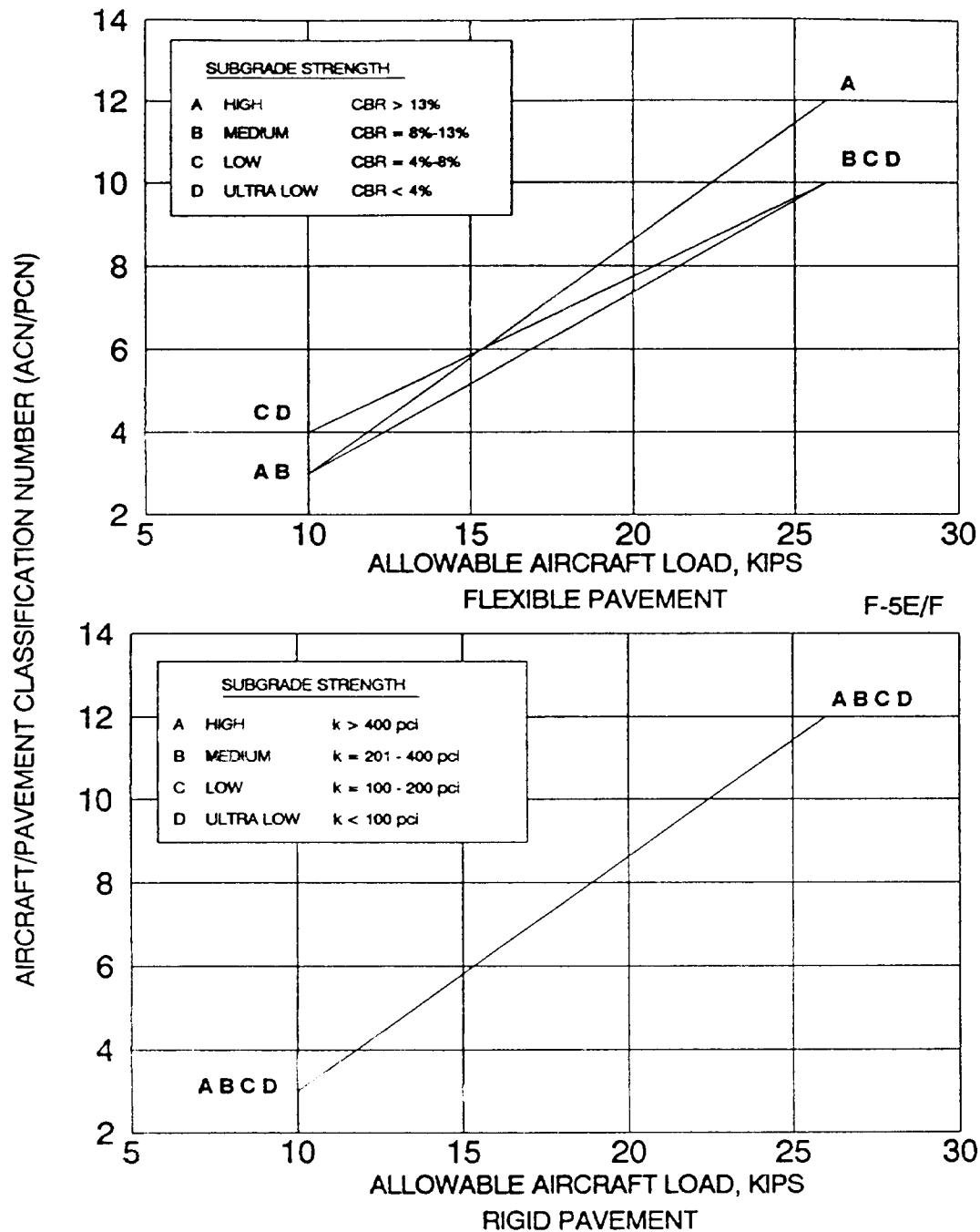


Figure A-131. F-5E/F, ACN/PCN Curves

Aircraft Manufacturer McDonnell Douglas

Aircraft Engine Manufacturer Pratt and Whitney (F100-PW-100)

No. of Engines 2 Engine Rating 23,480 lb

Min. T/O Wt. 32.1 k-lb * Min. T/O Dist. @ Min. T/O Wt. 650 ft

* Min. T/O Dist. @ Min. T/O Wt. With Abort Dist. 3,450 ft

Max. T/O Wt. Peace-Time 68.0 k-lb Max. T/O Wt. War-Time 68.0 k-lb

* Min. T/O Dist. @ Max. T/O Wt. War-Time 2,600 ft

* Min. T/O Dist. @ Max. T/O Wt. War-Time With Abort Dist. 8,600 ft

Min. Ldg. Wt. 30.1 k-lb Max. Ldg. Wt. 68.0 k-lb

* Min. Ldg. Dist. @ Min. Ldg. Wt. 2,800 ft

* Min. Ldg. Dist. @ Max. Ldg. Wt. 6,100 ft

* These distances are at 59°F, at sea level, with zero runway gradient, and on a clean dry runway surface.

ACN

Weight	Rigid Pavement Subgrades				Flexible Pavement Subgrades			
					Very			
	High A	Medium B	Low C	Low D	High A	Medium B	Low C	Low D
30	11	11	11	11	11	12	12	12
68	32	32	30	30	32	29	28	28

Figure A-132. F-15A/B/C/D, Eagle

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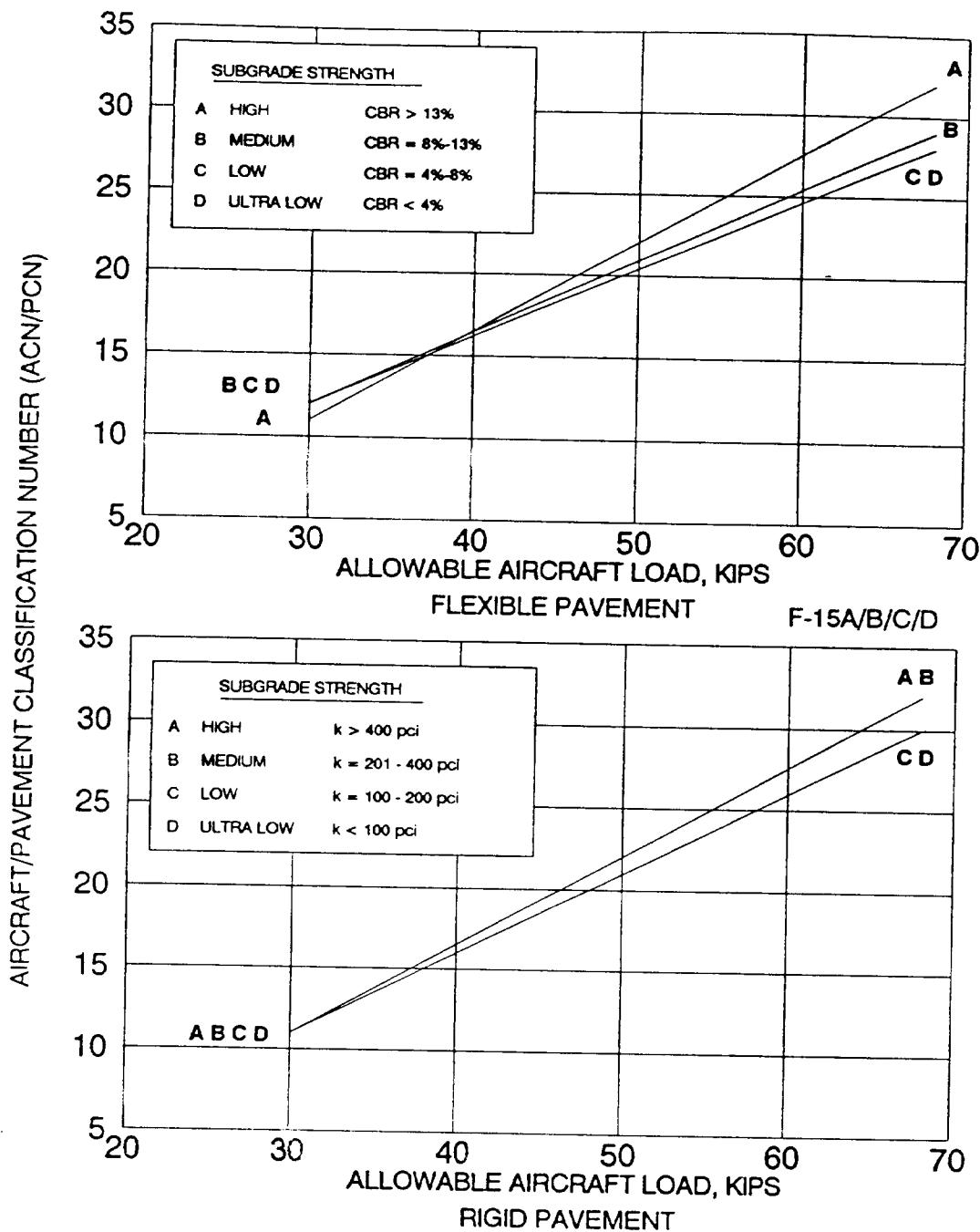


Figure A-133. F-15A/B/C/D, ACN/PCN Curves

Aircraft Manufacturer McDonnell Douglas

Aircraft Engine Manufacturer Pratt and Whitney (F100-PW-220)

No. of Engines 2 Engine Rating 18,800 lb

Min. T/O Wt. 33.4 k-lb * Min. T/O Dist. @ Min. T/O Wt. 700 ft

* Min. T/O Dist. @ Min. T/O Wt. With Abort Dist. 3,750 ft

Max. T/O Wt. Peace-Time 81.0 k-lb Max. T/O Wt. War-Time 81.0 k-lb

* Min. T/O Dist. @ Max. T/O Wt. War-Time 4,000 ft

* Min. T/O Dist. @ Max. T/O Wt. War-Time With Abort Dist. 10,000 ft

Min. Ldg. Wt. 35.0 k-lb Max. Ldg. Wt. 81.0 k-lb

* Min. Ldg. Dist. @ Min. Ldg. Wt. 3,200 ft

* Min. Ldg. Dist. @ Max. Ldg. Wt. 7,000 ft

* These distances are at 59°F, at sea level, with zero runway gradient, and on a clean dry runway surface.

ACN

Weight	Rigid Pavement Subgrades				Flexible Pavement Subgrades			
	High A	Medium B	Low C	Ultra Low D	High A	Medium B	Low C	Very Low D
35	13	13	13	13	12	12	13	13
81	37	37	37	36	35	33	33	32

Figure A-134. F-15E, Eagle

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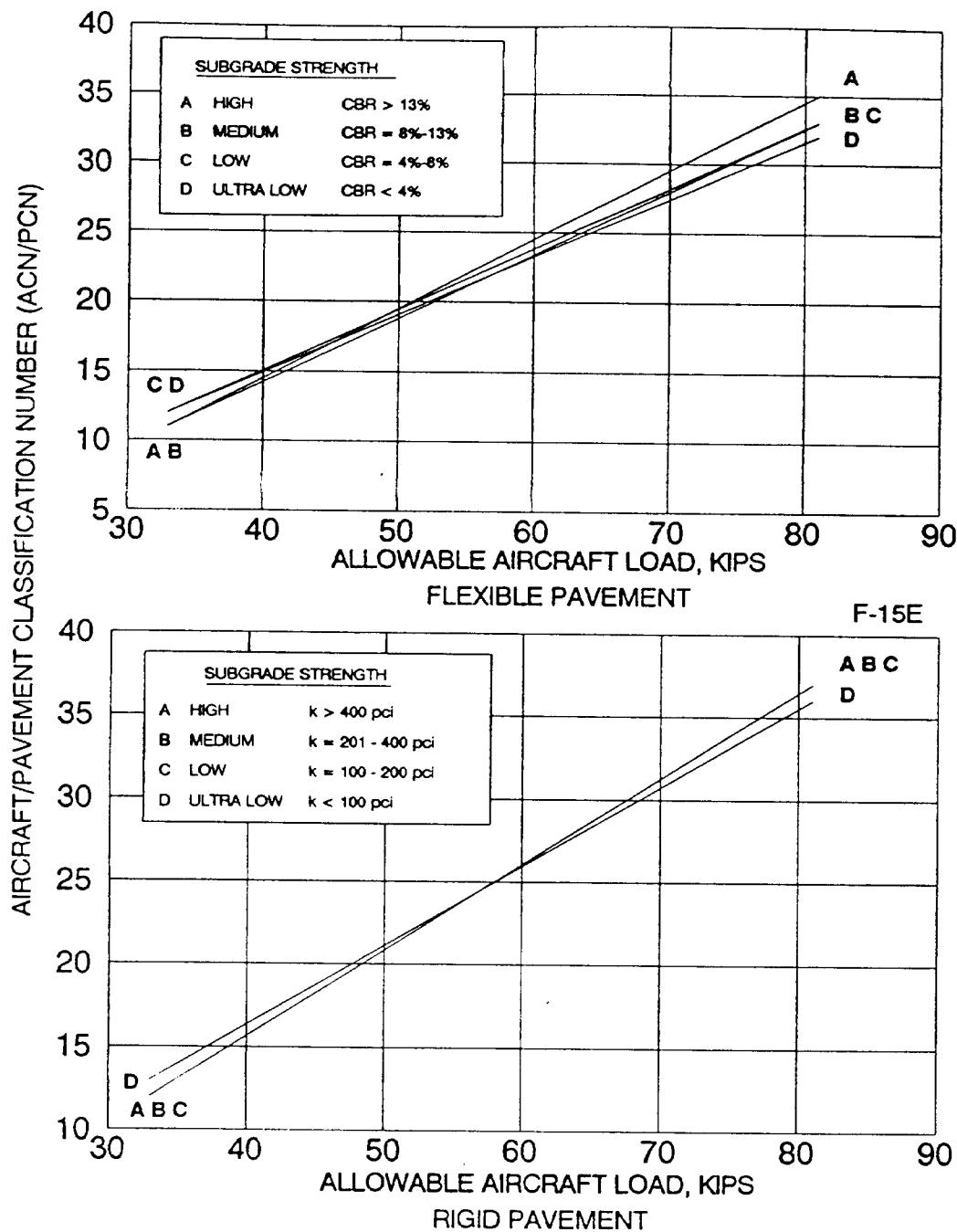


Figure A-135. F-15E, ACN/PCN Curves

Aircraft Manufacturer General Dynamics

Aircraft Engine Manufacturer Pratt and Whitney (F100-PW-200/220)

No. of Engines 1 Engine Rating 23,000 lb

Min. T/O Wt. 16.9 k-lb * Min. T/O Dist. @ Min. T/O Wt. 700 ft

* Min. T/O Dist. @ Min. T/O Wt. With Abort Dist. 3,900 ft

Max. T/O Wt. Peace-Time 34.6 k-lb Max. T/O Wt. War-Time 35.4 k-lb

* Min. T/O Dist. @ Max. T/O Wt. War-Time 2,700 ft

* Min. T/O Dist. @ Max. T/O Wt. War-Time With Abort Dist. 9,000 ft

Min. Ldg. Wt. 17.6 k-lb Max. Ldg. Wt. 35.4 k-lb

* Min. Ldg. Dist. @ Min. Ldg. Wt. 2,100 ft

* Min. Ldg. Dist. @ Max. Ldg. Wt. 5,100 ft

* These distances are at 59°F, at sea level, with zero runway gradient, and on a clean dry runway surface.

ACN

Weight	Rigid Pavement Subgrades				Flexible Pavement Subgrades				Very Low D
	High A	Medium B	Low C	Ultra Low D	High A	Medium B	Low C		
18	6	6	7	7	6	7	7	7	7
35	15	15	15	15	14	14	14	14	13

Figure A-136. F-16A, Fighting Falcon

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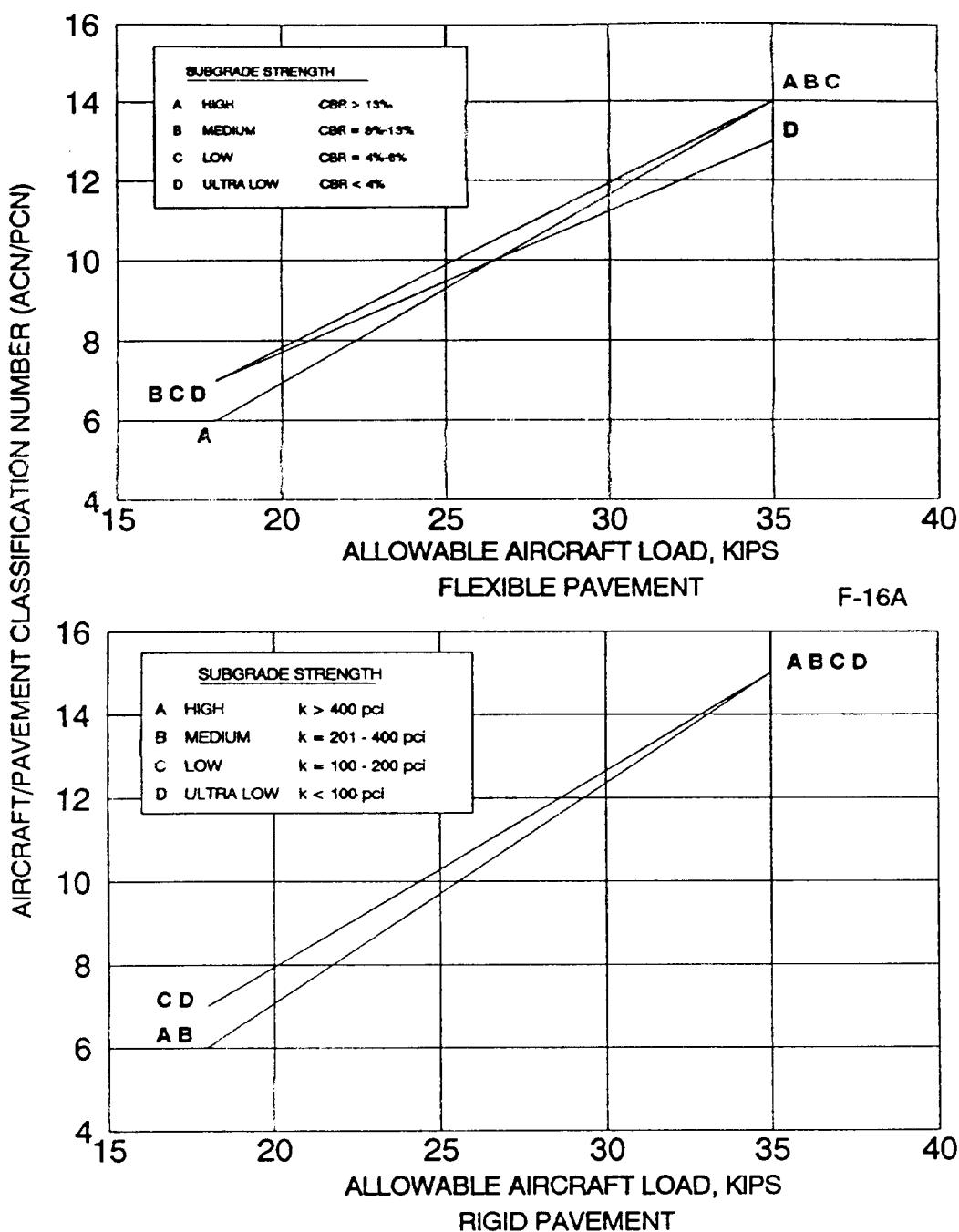


Figure A-137. F-16A, ACN/PCN Curves

Aircraft Manufacturer General Dynamics

Aircraft Engine Manufacturer Pratt and Whitney (F100-PW-200/220)

No. of Engines 1 Engine Rating 23,000 lb

Min. T/O Wt. 17.6 k-lb * Min. T/O Dist. @ Min. T/O Wt. 850 ft

* Min. T/O Dist. @ Min. T/O Wt. With Abort Dist. 3,900 ft

Max. T/O Wt. Peace-Time 34.7 k-lb Max. T/O Wt. War-Time 35.4 k-lb

* Min. T/O Dist. @ Max. T/O Wt. War-Time 2,900 ft

* Min. T/O Dist. @ Max. T/O Wt. War-Time With Abort Dist. 9,000 ft

Min. Ldg. Wt. 18.2 k-lb Max. Ldg. Wt. 35.4 k-lb

* Min. Ldg. Dist. @ Min. Ldg. Wt. 2,200 ft

* Min. Ldg. Dist. @ Max. Ldg. Wt. 5,100 ft

* These distances are at 59°F, at sea level, with zero runway gradient, and on a clean dry runway surface.

ACN

Weight	Rigid Pavement Subgrades				Flexible Pavement Subgrades			
	High A	Medium B	Low C	Ultra Low D	High A	Medium B	Low C	Very Low D
18	7	7	7	7	6	6	6	6
35	15	15	15	15	14	14	14	13

Figure A-138. F-16B, Fighting Falcon

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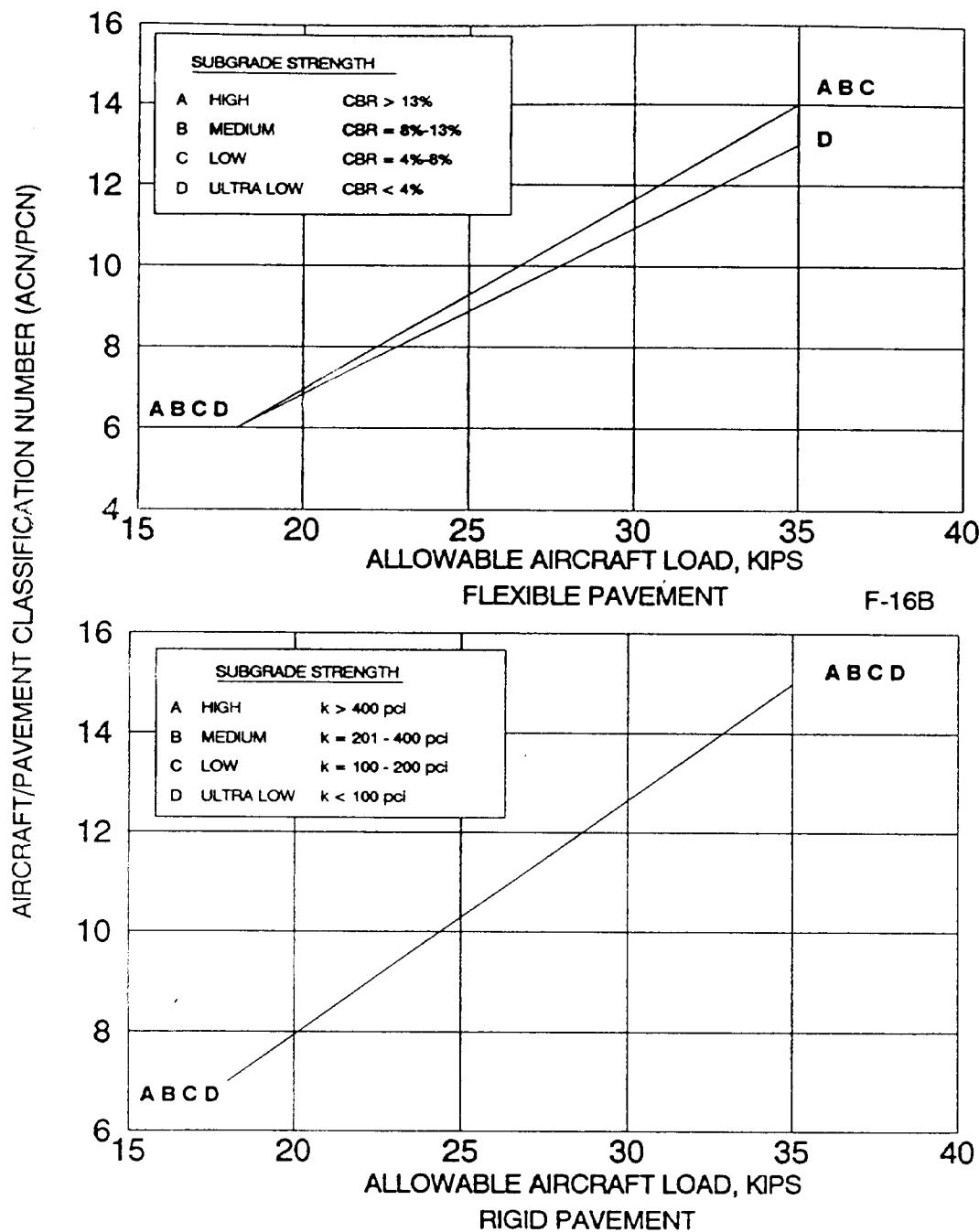


Figure A-139. F-16B, ACN/PCN Curves

Aircraft Manufacturer General Dynamics

Aircraft Engine Manufacturer Pratt and Whitney (F110-GE-100)

No. of Engines 1 Engine Rating 28,000 lb

Min. T/O Wt. 18.6 k-lb * Min. T/O Dist. @ Min. T/O Wt. 500 ft

* Min. T/O Dist. @ Min. T/O Wt. With Abort Dist. 4,000 ft

Max. T/O Wt. Peace-Time 36.3 k-lb Max. T/O Wt. War-Time 37.5 k-lb

* Min. T/O Dist. @ Max. T/O Wt. War-Time 2,300 ft

* Min. T/O Dist. @ Max. T/O Wt. War-Time With Abort Dist. 10,000 ft

Min. Ldg. Wt. 19.3 k-lb Max. Ldg. Wt. 37.5 k-lb

* Min. Ldg. Dist. @ Min. Ldg. Wt. 2,300 ft

* Min. Ldg. Dist. @ Max. Ldg. Wt. 5,600 ft

* These distances are at 59°F, at sea level, with zero runway gradient, and on a clean dry runway surface.

ACN

Weight	Rigid Pavement Subgrades				Flexible Pavement Subgrades			
	High A	Medium B	Low C	Ultra Low D	High A	Medium B	Low C	Very Low D
19	7	7	7	7	6	7	7	7
36	15	15	15	14	14	14	13	13
38	16	16	16	15	15	15	14	14

Figure A-140. F-16C, Fighting Falcon

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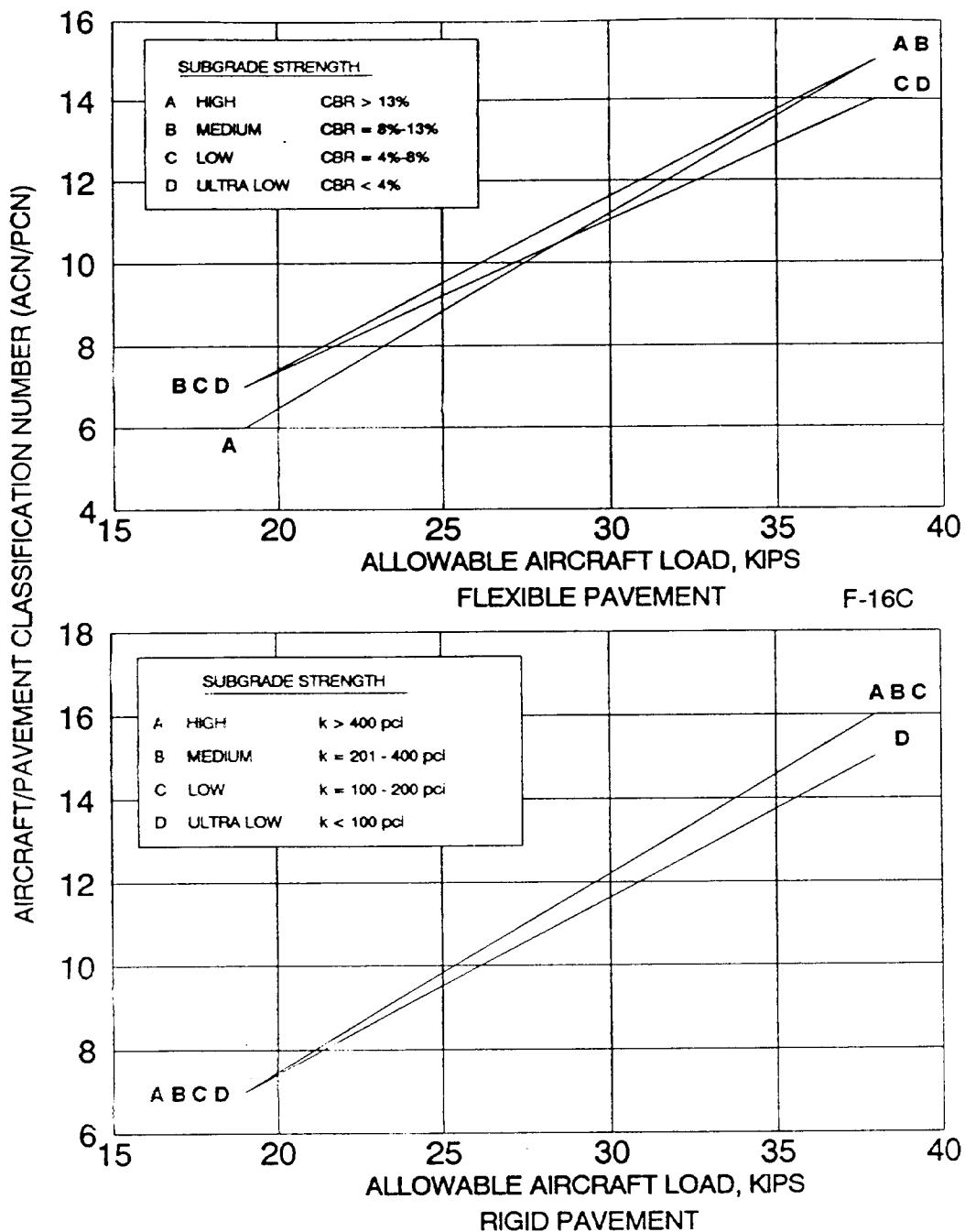


Figure A-141. F-16C, ACN/PCN Curves